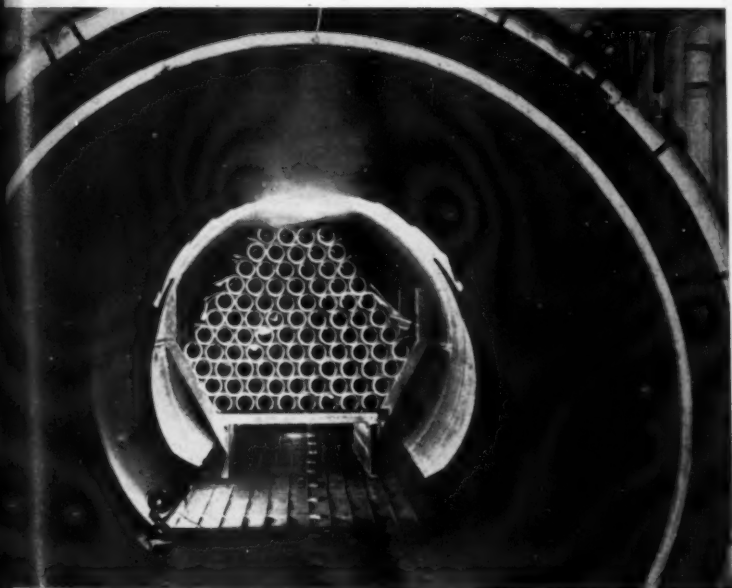
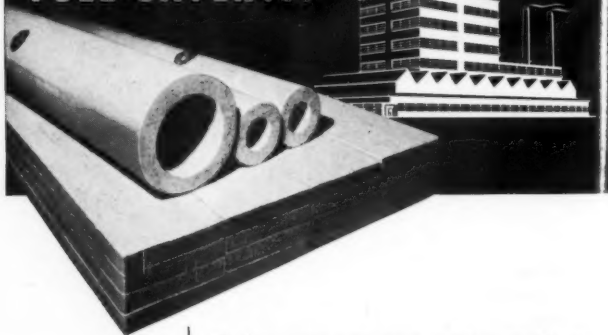


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OCTOBER 1951

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**Ehret Magnesia Manufacturing Co.**  
VALLEY FORGE, PENNSYLVANIA

# "ASBESTOS"

FOUNDED IN JULY 1919 AND PUBLISHED  
MONTHLY SINCE THAT DATE

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Number 4

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## SCIENCE AND THE NATIONAL DEFENSE

Recently we have read several articles in nationally recognized publications, pointing up this country's crying need for more and more scientific brainpower, to combat our potential enemy's apparent superiority in military manpower. It seems that quite a few individuals, both civilian and of the military, have become conscious of our past and present mistakes in the use of our brainpower, to the point where they are at last voicing their opinions, loudly and publicly, in an effort to save us from what will might become a national disaster.

It is most encouraging to see these public manifestations of concern since neither the President nor the Congress seem to have yet developed sufficiently strong feelings in the matter to take positive action. Perhaps the pressure of public opinion may soon bring us to the point where strong steps will be taken to correct a long existing unhealthy situation. The indiscriminate drafting and assignment to duty of men equipped with the technical training so vitally necessary to us today must stop.

Most of the responsibility for prompt correction lies with government and the military, but unless backed by strong public understanding and support the required action, particularly on the part of government, may not soon be forthcoming. Obviously the whole matter is loaded with political dynamite, and its fair and equitable solution is not going to be easy. Anything that smacks of discrimination in the administration of Selective Service cannot be tolerated politically.

We believe however that the solution lies in an intensive effort to educate the public so they may fully appreciate the needs of the country in the order of their importance. Possibly the first step should be to disabuse the public mind of the great American myth that we are, by some divine right, superior, technologically, to the rest of the world. Nothing could be more misleading and the sooner *Mr. Average Man* is taught that the ability to mass produce and market refrigerators, washing machines and similar devices does not necessarily indicate technological superiority in the real sense of the word, the closer shall be

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mankind since 1873*



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come to the solution of our problem.

Any technological superiority that we may attain can only come from a most careful nurturing of those with technical bents and by even more careful placement of those with technical training and experience to insure that their talents are utilized to the fullest practicable extent. We can ill afford to misuse our manpower in the face of the overwhelming numerical superiority of our possible adversaries. Even less can we afford to misuse the brainpower which is our *only* means of successfully combatting this numerical superiority.

### **ASHVE Environment Laboratory In Cleveland To Be Inaugurated Nov. 1st and 2nd**

A two-day reception and inspection for executives, society members and the press will be held by The American Society of Heating and Ventilating Engineers, November 1st and 2nd, to mark the completion of its Environment Laboratory, 7218 Euclid Avenue, Cleveland, a facility for research in human comfort conditions and the development of data for the design and installation of panel heating and cooling systems.

"Members Day" will be on November 2nd, when the general ASHVE membership will inspect the new laboratory.

Funds for the research and the construction of the Environment Laboratory are being made available from industry and the general society membership, 40% of whose dues are allocated annually to the ASHVE's entire program of fundamental research in this and other fields of heating, ventilating and air conditioning.

The third Plant Maintenance Conference will be held concurrently with the Plant Maintenance Show at Convention Hall, Philadelphia, January 14th to 17th. Thirty-four separate discussions will be conducted. Ten thousand maintenance executives are expected at the show and conference. L. C. Morrow, consulting editor, *Factory Management & Maintenance*, is chairman. Further information can be obtained from Clapp & Poliak, Inc., 341 Madison Avenue, New York 17, N.Y.

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## PRODUCTION MAINTENANCE -- A PROGRAM FOR INDUSTRIAL MOBILIZATION

By H. F. McCullough, Manager, Service Shop Division, and H. D. Beale, Manager, Renewal Parts Division, General Electric Company, Schenectady, N. Y.

The times are putting American industry to the test with the double-barreled job of production for defense rearmament and production to meet unprecedented civilian needs. They ask the seemingly impossible — more production when capacity has already been reached.

And the possibilities for expansion that were present in 1940, when the nation began arming for the second world war, do not exist today. At the present time, employment is virtually at its peak, and with the armed services requiring additional thousands of young men and women, there are likely to be fewer people, rather than more, to man the industrial front. Without additional employees, plant expansion is meaningless. And, for an extra complicating factor, capital equipment is increasingly hard to obtain.

With the need becoming greater every day, the nation's industries must seek new ways of using what they already have to create extra production. They must get the most from every machine in the shop, using it to its fullest potential. And they must employ every means at their command to remove existing barriers to achieving maximum production.

One of these means is the establishment of an effective maintenance program to keep equipment performing as it was designed to perform — and, in effect, as it has seldom performed before. Management has in many cases paid lip service to the importance of the job being done by the maintenance man in helping to keep equipment in good working order. But too often the job of maintenance is looked upon as a necessary evil — something to be done only when the occasion arises.

This negative attitude has failed to recognize in maintenance its positive productive potential. For, properly handled, maintenance can be a constructive factor in





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increasing productive output. Looked at in this way maintenance takes on new significance, as an answer to the nation's industrial mobilization needs. More than routine preventive maintenance, it becomes, truly, **productive** maintenance, capable of creating added output without additional machines.

Believing that productive maintenance offers management a new tool for extending production capacity beyond existing limits, not just keeping those limits as they stand, the General Electric Company has developed a Productive Maintenance program that can be applied to virtually every type of industry in the country. This program, calling for a thoro and systematized approach to the whole idea of maintenance as a positive rather than a negative force, has the inherent ability to help meet the nation's needs for full industrial mobilization.

As a new concept applied to industrial operations, Productive Maintenance has as its goal the giving of the greatest possible aid to the plant as a whole so that it may achieve a level of production as close to a theoretical maximum as it is possible to come. Thru far-sighted, long-range planning, Productive Maintenance anticipates the problems of unwanted production breakdowns and acts to minimize the probability of their happening. It is an approach to maintenance that no longer regards it as the step-child of production, but rather as something that can work hand in hand **with** production.

What, then, goes to make up a sound Productive Maintenance program?

An effective Productive Maintenance Program consists of an **adequate staff** of trained maintenance men, armed with the **tools** needed to perform properly the functions of **regular, routine checks** of operating equipment, and **planned outage** of this equipment at regular scheduled intervals. Rebuilding and modernizing machines during time of planned outage is done readily with parts from an **adequate stock of mechanical and electrical spare parts**. These basic points are expanded in subsequent paragraphs.

Management must provide for an adequate staff of



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trained maintenance men, must make available a budget sufficient to face up to the facts of the situation, and must provide tools and instruments as modern and functional as those supplied production crews. With the men, tool, and money it needs, Productive Maintenance is ready to go to work. Since the goal is to get the most out of the machines in the plant, it is necessary to know the work of every machine to the plant, how it is expected to perform, and how much attention it demands from the maintenance man. For this purpose, a card index system, recording brief biographies of every piece of equipment, is kept for handy reference.

The card index system is an invaluable aid in the day-to-day, routine maintenance measures that are, of course, a vital part of the Productive Maintenance Program. The machine biographies guide workers in carrying out preventive maintenance projects, such as periodic inspections, routine cleaning, bearing maintenance, varnish treatments, oiling and the like. Such preventive measures are common enough in most companies. In a Productive Maintenance Program, however, they are conducted under a fixed plan. With the card index as the record of past procedures, a definite schedule for periodically handling preventive problems can be readily worked out and adhered to, with a minimum of time and effort.

Important as the preventive activities are, they are capable, as the term implies, only of **preventing** machines from doing **less** than they usually do. But the aim of productive maintenance is **added** production, surpassing the limits of output that are already achieved. This means, in effect, getting machines to work more. Since they already are scheduled for use to the fullest, extra output can be gained only by minimizing their normal time — out from scheduled use for major repairs and overhauling.

Here is the heart of the Productive Maintenance idea — to overcome as far as possible unscheduled breakdowns of equipment causing delays in production, often when they are least expected or can least be tolerated. By providing for a system of planned outages — planned in advance for the time when the machines can be taken out

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of service for the shortest possible time—the stoppage will least affect total output and other operating units in the plant.

Everyone knows the pitfalls of unscheduled breakdowns. Primarily, they mean the loss of production—the loss of vital units coming off the line hour by hour—that can never be regained under today's conditions of around-the-clock operation with little time left over for picking up lost ground. In the integrated plant, where one operation depends closely upon many others, a whole production line can be shut down by failure of one critical unit.

Other serious consequences can result from unplanned shutdowns, not the least of which is the cost of labor involved. To gain speed in repairing the broken machine, maintenance crews must often work overtime at overtime pay. And they are frequently hampered in their work by shortages of materials and replacement parts—both of which serve to prolong the delay and lower output.

Done as rapidly as possible, unscheduled repair work still means lost manhours. Production men are forced to stand around idle. In situations where layoffs are necessary, the company risks the permanent loss of employees. When this happens, the company, after the shutdown machine is back in operation, may be forced to hire new employees who must be trained—and this training again means lessened productivity. All in all, the unscheduled breakdown causes labor, time, and money losses—which can be avoided thru the planned outage phase of a Productive Maintenance program.

For the planned outage is designed to replace, as far as possible, the unscheduled breakdown by taking the machine briefly out of service for a thoro, time- and production-saving repair job before it reaches the point where it might break down of its own accord. To do this effectively, a complete, systematic survey is first conducted—of the plant and how it operates, of the equipment, and the role of each machine in relation to the others. Broad in scope, the survey thus analyzes, first



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---

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**Lansdale, Penna.**

of all, the entire operation of the plant. It then determines which equipment is the most critical, which carries the heaviest loads. It goes on to list machines and units in the order of their vulnerability, noting the condition of each—its age, state of repair, severity of duty and similar factors that will enter into determining the desirability of additional repair and the kind of maintenance required. On the basis of this survey, recommendations can be made for a sound, overall planned outage program, and the means can be devised for handling it with a minimum of interruptions to the normal production schedule.

Since productive maintenance is a long-range, continuing program, not everything can be done at one time. The program is, rather, realistic and economical in operation, designed to tackle first things first. Even if the plant had the money to do everything that needed doing at once, it would be self-defeating in stopping production altogether.

The equipment survey in the productive maintenance program serves to remove the guesswork from maintenance. Because of the total picture that it gives, other important improvements can be made at the time of the planned stoppage, improvements that might have necessitated stoppages of their own were they allowed to wait unattended.

Included as an important part of the equipment survey is the recommendation it gives for stocking an adequate supply of needed renewal parts. By being able to look far enough ahead, by pre-planning the replacement parts aspects of maintenance, the problems of delivery delays and temporary unavailability can be largely overcome. This foresight, too, can pay off in terms of less repair-time delay and consequently added production.

The need for increased production thru industry is great—and setting up a far-reaching Productive Maintenance program to achieve that added output should not wait. Recognizing this, the General Electric Company has taken active steps to help maintenance men make management aware of the true value of Productive Maintenance.



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NEW YORK, N. Y. ....	CONNELL ASBESTOS MFG. CO. 117 Martense Street, Brooklyn 26, New York
SAN FRANCISCO, CALIF. ....	LIPPINCOTT CO., INC. 481 Market Street

ance. It provides maintenance men with a kit of tools a series of aids, as it were, providing the facts and guidance they need to carry out their own productive maintenance program and convince their management of its necessity for industrial mobilization.

Productive Maintenance is for all industry, whether a metal-working plant, paper mill, refinery, steel mill, rubber plant, or chemical plant. And productive Maintenance is for every kind of equipment, all the machines that are producing the vital products for military and civilian demands. It provides a means for creating that extra production so critically needed today and tomorrow for the industrial and economic health of the nation.

## AUTOMOBILE SALES

	August 1951
Passenger Cars .....	426,932
Motor Trucks .....	121,993
Motor Coaches .....	783
	<hr/> 549,708

In August 1950 a total of 818,123 motor vehicles were sold. In the eight months of 1951 the total was 4,931,884.

These figures were supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Michigan.

... —  
All stars are lucky, if beneath them stands one who depends on heart and head and hands.

... —  
Contentment makes poor men rich; discontent makes rich men poor.

„ *Tropag* “

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# MARKET CONDITIONS

## GENERAL BUSINESS.

There is a "lull" in business activity described by some as a "breathing spell" which indicates that they expect business to revive later on. However, at the present time the volume is very large even tho high prices have resulted in buying resistance and the practice of economy by the general public.

There may be another wave of buying as there has been at least two during the past year. Some merchants have bought too heavily in preparing for the fall season and are now concerned with getting their stocks down.

## ASBESTOS — RAW MATERIALS.

Production remains at peak levels. In the longer grades—5 Group and up the shortage continues. There is an ample supply of shorter grades. The pick up in Asbestos Cement Products and Floor Tile has brought the demand for these grades closer in line with supply.

## ASBESTOS — MANUFACTURED GOODS.

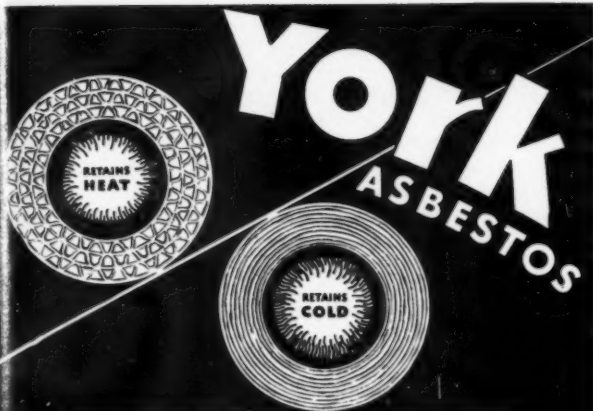
*Asbestos Textiles.* The market situation remains about the same. The demand for textiles, particularly cloth, continues to increase with no relief in sight.

*Brake Lining.* The replacement market on automotive brake linings and clutch facings is still running at high level, but jobbers' inventories are in good condition and sales to that trade are slackening off. Parts distributors are getting more competition from service departments of car equipment manufacturers, as they must make up for lost car production.

*Asbestos Paper.* There is little or no change in the paper and millboard market. Sales of saturated felts are about equal to production and will, no doubt, continue for the remainder of the year.

*Insulation. High Pressure.* Requirements continue to be strong and will probably increase during the next few months.

*Asbestos Cement Products.* Business is good altho bu-



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In standard and special sizes and thicknesses, and in combination with millboard, cement board and other materials.

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low capacity. September sales were light but the last half of the month showed an improvement. The demand for pipe and electrical conduit continues strong with backlog of orders remaining at high level. There is some lessening in demand for flue and house sewer pipes and backlogs are gradually diminishing. The market for corrugated and flat far exceeds production and is expected to continue for the balance of this year and at least, thru the first half of next year.

*Asphalt Tile.* The market for asphalt tile continues strong with a continuing trend towards the lighter higher priced colors. 1951 Industry sales should exceed the record reached last year of approximately 500,000,000 square feet by, at least, 5%. Furthermore in view of the Defense Construction program and the anticipated Industrial, Commercial and Institutional building programs the 1952 outlook is very bright.

The above comments have been made by various informed executives in the Industry. All comments are welcome.

## **RESTORATION OF BOILER NUMBERS LOST BY CORROSION**

Corrosion has a way of affecting metal in the most annoying manner, at any time, but particularly when it obliterates the identification numbers on a boiler shell. This occurred recently on the boiler of a crane. It was known to have identification in it but this could not be proved since it was illegible. Without proper identification the licensing authorities were unable to start their inspection.

At this point Sam Tour & Co., Inc., Consulting Engineers and Metallurgists, were called upon. The boiler insulation was removed from around the area at which the numbers were thought to exist, this area was cleaned and then given an acid etching treatment. The numbers became clearly legible and disclosed that the boiler had been inspected in three different years, that it carried a National Board serial number and also an American Society of Mechanical Engineers number.

This information satisfied the inspection and insurance authorities and a license was granted.

# **Carey** **ASBESTOS**

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In Canada: The Philip Carey Co., Ltd., 277 Duke Street, Montreal 3, P. Q.

"ASBESTOS" — October 1951

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# PRODUCTION STATISTICS

## Canada

(Department of Mines, Province of Quebec)

*Tons — 2000 lbs.*

Production for July 1951 .....	68,513 tons
Compared with July 1950 .....	57,068 tons
Dominion Production for July 1951 is 71,027 tons, a difference of 2,514 tons from the Quebec figure.	

## Africa (S. Rhodesia)

(Published by Rhodesia Chamber of Mines)

*Tons — 2000 lbs.*

Production for May 1951 .....	7,021.84 tons
Valued at .....	£489,714
Production for May 1950 .....	6,808.00 tons
Valued at .....	£452,209

## Australia — Statistics

(Published by Bureau of Mineral Resources, Geology and Geophysics,  
Ministry of National Development)

*Production*

*Tons 2240 lbs.*

	Year 1950
Chrysotile .....	585 tons
Crocidolite .....	1,018 tons
Tremolite .....	1 ton

---

1,604 tons

*Imports*

Chrysotile .....	10,433 tons
Crocidolite .....	661 tons
Amosite .....	15,032 tons
Unspecified .....	2,909 tons

---

29,035 tons

*Exports*

To United States .....	309 tons
Other countries .....	76 tons

---

385 tons

\* \* \*

I shall pass thru this world but once.  
Any good thing, therefore, that I can do  
Or any kindness that I can show any human being,  
Let me do it now.



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# IMPORTS AND EXPORTS



## Imports into U. S. A.

(Figures by Bureau of Census)

	June 1951 Tons (2240 lbs.)
From Canada .....	54,719
Chile .....	25
France .....	10
Italy .....	4
S. Rhodesia .....	117
Union of S. Africa .....	841

55,716

Valued at .....\$4,502,565

### By Grades:

Crude No. 1, Chrysotile, Canada .....	13
Crude No. 1, Chrysotile, Union of S. Africa .....	45
Crude No. 1, Chrysotile, S. Rhodesia .....	27
Crude No. 2, Chrysotile, Canada .....	61
Crude No. 2, Chrysotile, S. Rhodesia .....	41
Crude Other, Chrysotile, Union of S. Africa .....	36
Crude Other, Chrysotile, S. Rhodesia .....	49
Crude, Blue, Chile .....	25
Crude, Blue, Union of S. Africa .....	122
Crude, Amosite, France .....	10
Crude, Amosite, Union of S. Africa .....	638
Textile Fibres, Chrysotile, Canada .....	1,516
Textile Fibres, Chrysotile, Italy .....	4
Shingle Fibres, Chrysotile, Canada .....	6,528
Paper Fibres, Chrysotile, Canada .....	8,240
Other Fibres, Chrysotile, Canada .....	38,361

55,716

### Manufactured Asbestos Goods:

	June 1951 Quantity (lbs.)	Value
Asbestos Yarn		
Canada .....	18,769	\$ 14,000
United Kingdom .....	36,127	21,749
Asbestos Packing - Fabric		
United Kingdom .....	1,490	1,082
Asbestos Packing - Not Fabric		
United Kingdom .....	1,146	603
Asbestos Woven Fabrics - Others		
Canada .....	26,095	18,050
Asbestos Brake Lining (Mld.)		
Canada .....	1,440	301

LIGHT DENSITY TYPE  
**PABCO**

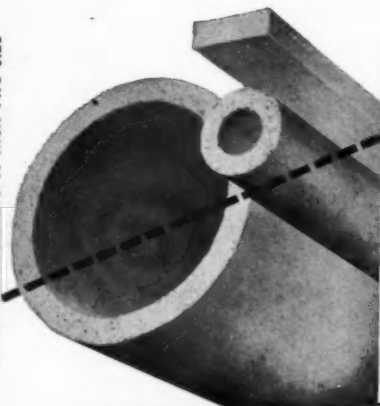
**PRECISION  
MOLDED**

**85% MAGNESIA INSULATION**

"THE DEPENDABLE STANDARD — MODERNIZED"  
REG. U. S. PAT. OFF.

U. S. Patent Nos. 2,131,374 — 2,209,752 — 2,209,753 — 2,209,754

PIPE COVERING MADE IN SECTIONAL FORM  
UP TO AND INCLUDING 18-INCH PIPE SIZE



COMPLETE RANGE OF SIZES AND THICKNESSES  
IN BLOCKS AND PIPE COVERING



**PABCO**

**PABCO PRODUCTS INC., Insulation Division**

475 Brannan Street, San Francisco 19, California

Engineering Service Units In Principal Cities

**Manufactured Asbestos Goods:**

	June 1951	
	Quantity (lbs.)	Value
Mexico .....	3,071	1,06
Canada .....	16,325	2,92
United Kingdom .....	140	2
<b>Asbestos Cement Products (Not Impreg.)</b>		
Canada .....	108,804	5,22
Mexico .....	613,345	39,44
Italy .....	5,990	34
<b>Asbestos Cement Products (Impreg.)</b>		
Canada .....	16,325	2,92
<b>Asbestos Shingles (Not Impreg.)</b>		
Canada .....	14,112	66
Mexico .....	211,209	15,21
<b>Asbestos Shingles (Impreg.)</b>		
Canada .....	12,632	1,19
<b>Asbestos Manufactures - Others</b>		
Canada .....		28
	<hr/> 1,090,695	<hr/> \$ 121,927

**Exports from U. S. A.**

(Figures by Bureau of Census)

**Unmanufactured Asbestos:**

	June 1951	
	Tons (2240 lbs.)	Value
To Central America & Mexico ....	17	\$ 4,547
Europe .....	263	66,851
South America .....	473	168,468
Other Countries .....	703	164,949
	<hr/> 1,456	<hr/> \$404,815

**Manufactured Asbestos Goods:**

	June 1951	
	Quantity	Value
Asbestos Pipe Covg. & Cement .. Lbs.	215,677	\$ 23,831
Asbestos Textiles and Yarn .. Lbs.	46,365	58,037
Asbestos Packing .. Lbs.	122,172	147,635
Asbestos Bk. Lng. (Mld.&S.Mld.) Lbs.	579,126	493,915
Asbestos Brake Lng. (Woven) Lin.Ft.	79,529	48,126
Asbestos Clutch Facings .. No.	157,577	85,741
Asbestos Brake Blocks .. Lbs.	62,552	67,091
Asbestos Construction Materials Lbs.	1,810,582	144,123
Asbestos Manufactures—Other ..		96,115
		<hr/> \$1,164,639

**THE McCORMICK ASBESTOS CO.,**

3620 WOODLAND AVENUE, BALTIMORE 15, MD.

Has available large quantity of Standard Amosite Blanket  
1" thick, 5' wide, 250 sq. ft. rolls. Greatly reduced price.

# **PHILLIPS ASBESTOS MINES**

**Producers of**

**CRUDES**

**and**

**Fiberized Asbestos**

**The World's Finest Fibre**



**DRAWER 71**

**GLOBE, ARIZONA**

**Mines and Mills in Gila Co., Arizona**

## Exports from Canada

(Published by Dominion Bureau of Statistics)

### Unmanufactured Asbestos

	June 1951	
	Tons (2000 lbs.)	Value
<i>Crude</i>		
United States .....	84	\$ 67,520
United Kingdom .....	.....	.....
South America .....	.....	.....
Central America & Mexico .....	.....	.....
European Countries .....	3	2,860
Other Countries .....	.....	.....
	87	\$ 70,380
<i>Milled</i>		
United States .....	15,532	2,301,766
United Kingdom .....	3,210	464,613
South America .....	3,335	251,261
Central America & Mexico .....	40	4,260
European Countries .....	4,306	752,636
Other Countries .....	999	142,536
	27,422	\$3,917,117
<i>Shorts</i>		
United States .....	44,148	2,036,627
United Kingdom .....	2,305	93,263
South America .....	319	12,834
Central America & Mexico .....	.....	.....
European Countries .....	5,045	359,045
Other Countries .....	450	33,457
	52,267	\$2,535,226
<i>Grand Total—Unmanufactured Asbestos</i> ..	79,776	\$6,522,725
<i>Manufactured Asbestos Goods:</i>		
Brake Lining .....		\$ 67,909
Packing .....		5,339
Other Materials .....		58,314
		\$ 131,562

**ASBESTOS FIBRES**  
**FRANK G. RUGGLES & CO.**  
 50 Church St., New York 7, N. Y.

**AMERICAN MANUFACTURERS OF BRAKE AND CLUTCH LININGS** who are interested to cooperate with an established Dutch manufacturer in the same line, are requested to contact **ARNIDA PRODUCTS CO., 15 Whitehall Street, New York 4,** immediately.

## • BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

MILLBOARD

YARNS

ROVINGS

POWDER

CLOTHS

PROCESSED FIBRES

ASBESTOS CEMENT PIPES

Unexcelled for use in

## • AMOSITE ASBESTOS

This fibre owing to its great length and bulk is unrivalled for use as an insulating medium in:

*Asbestos mattress filler*

*85% Magnesia insulation*

The **CAPE ASBESTOS CO.** Limited

114-116 Park Street, London, W. 1.

FACTORY, BARKING, ESSEX

*United States Sales Agent:*

**ARNOLD W. KOEHLER**

415 LEXINGTON AVE.

NEW YORK CITY

TELEPHONE—VANDERBILT 6-1477

## Imports of Asbestos by United Kingdom

### Raw Material

	August 1951 Tons (2240 Lbs)
From Union of South Africa .....	1,507
Southern Rhodesia ....	2,547
Bechuanaland, Basutoland & Swaziland ..	643
Canada .....	2,966
Other Commonwealth Countries and the Irish Republic ....	14
Foreign Countries .....	2
	<u>7,679</u>

Of this 7,679 tons, 6,091 were chrysotile, and 1,588 other varieties. These figures were supplied by the Mining Journal Limited of London.

## BUILDING

Construction contract awards in the 37 states east of the Rockies showed slight decreases during August as compared with July this year and with August of last year, but the eight month total for 1951 was a strong 17 per cent ahead of the corresponding period 1950.

With but four months to go til the end of 1951, the eight-month total of \$11,450,750,000 is pressing closely the \$14.5 billion total for the entire year of 1950. In August, contracts amounting to \$1,262,811,000 were 8 per cent less than July and 18 per cent lower than August 1950. Non-residential awards in August were \$475,957,000 or 11 per cent below July and 12 per cent lower than August 1950.

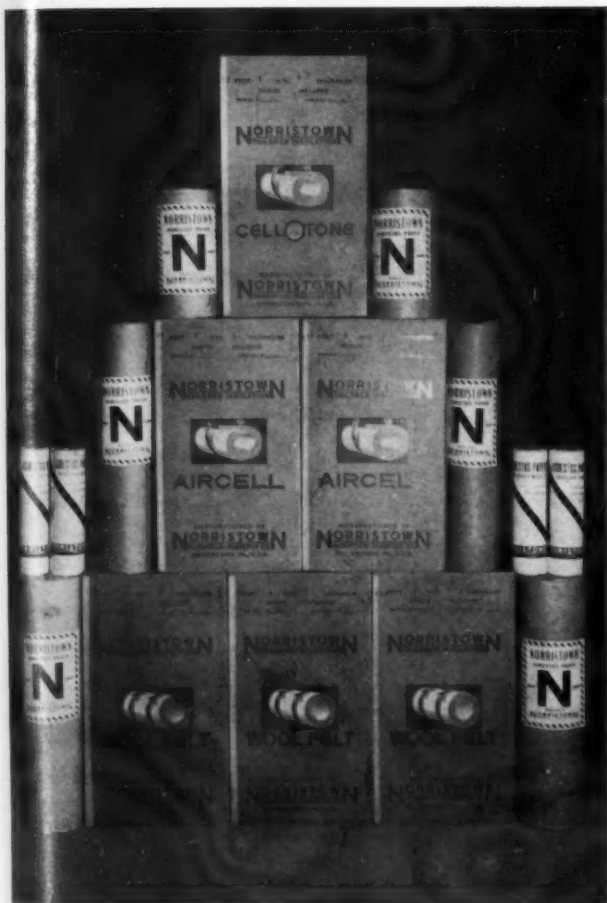
Residential contracts of \$567,566,000 were 4 per cent higher than July but 25 per cent lower than August a year ago. Public and private works and utilities at \$219,288,000 were 26 per cent less than July and 14 per cent below August last year.

*The plants manufacturing asbestos in more than 10 European countries await your offer thru the special periodical  
Rubber and Asbestos*

Send for specimen copies and the favorable prices of advertisement at our representatives in U.S.A.:

**H. J. Wandless Company, Inc.**  
205 East 42nd Street, New York 17, N. Y.  
**A. W. Gentner - Verlag, Stuttgart**  
Germany





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# NEWS OF THE INDUSTRY

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## BIRTHDAYS

- David E. Kelley, President, Kelley Asbestos Products Company, Kansas City, Missouri, October 16.
- William F. Reed, President & Treasurer, Asbestos Distributors, Inc., Port Chester, N. Y., October 17.
- E. J. Buczkowski, Director in charge of Manufacturing, Keasbey & Mattison Company, Ambler, Pa., October 22.
- Harry E. Humphreys, President & Chairman of the Board, United States Rubber Company, New York City, October 22.
- A. K. Burgstresser, Retired, formerly of Norristown Magnesia & Asbestos Company, Norristown, Pa., October 26.
- L. R. Hoff, Consultant, Johns-Manville Corporation, New York City, N. Y., October 27.
- A. L. Wade, President, Asbestos Insulations, Reg'd, Montreal, P. Q., Canada, October 28.
- George L. Abbott, President and General Manager, Garlock Packing Company, Palmyra, N. Y., October 31.
- F. E. Byrnes, Vice President & Director, The Ruberoid Co., New York City, N. Y., October 31.
- V. A. Spina, Treasurer, Scandinavia Belting Co., Newark, N. J., November 1.
- Ernest S. Sprinkmann, President, Sprinkman Sons Corp., Milwaukee, Wis., November 3.
- Kozaburo Nozawa, President, Nozawa Asbestos Industrial Co., Ltd., Kobe, Japan, November 4.
- William P. Barry, General Manager, Smith & Kanzler Corp., Linden, N. J., November 5.
- Charles W. Hanslip, President, Standco Brake Lining Co., Houston, Texas, November 8.
- G. M. Righter, Export Manager, Raybestos-Manhattan, Inc., New York City, N. Y., November 10.
- M. Nicolato, Vice President, Pacific Asbestos Cement Products Corp., San Bernardino, Calif., November 13.
- G. A. Rentschler, Chairman of Executive Committee, Philip Carey Mfg. Co., Lockland, Cincinnati, Ohio, November 14.
- To all these gentlemen we extend best wishes and congratulations on the occasion of their birthdays.

## UNITED STATES RUBBER COMPANY'S TEXTILE DIVISION New Appointments

*H. Gordon Smith*, vice president and general manager of the textile division, has been named to the newly created post of executive vice president. The new position was created because *H. E. Humphreys, Jr.*, has been called upon to do double duty as president and chairman. *William E. Clark*, assistant general manager of the textile division, has been elected a vice president and made general manager of the division.

# ASBESTOS FIBRE

CHRYSOTILE

AMOSITE

CAPE BLUE

BLENDS

**A NEW MODERN ASBESTOS PLANT  
WITH REVOLUTIONARY EQUIPMENT**

*Your inquiries are invited.*

We are specialists in blending and refining  
fibres for any type of work. Experience with  
many industries shows better results than using  
the standard numbers.



## ASBESTOS FIBRES, INC.

Main Office:

**56 CRITTENDEN ST., NEWARK, N. J.**

HUMBOLDT 5-2372

#### **EHRET ISSUES BULLETIN (4 h) ON INSULATIONS**

85% MAGNESIA INSULATION and other insulating products are described in a new 2-color, 8-page bulletin just released by Ehret Magnesia Manufacturing Company.

Bulletin presents characteristics and advantages of Ehre THERMALITE 85% Magnesia Insulation for covering pipe fittings and equipment. Tables include recommended insulation thickness for various temperature ranges. Copy summarizes recommended application procedure.

Other Ehret insulations briefly described include: Endur for high temperatures, Insulating and Finishing Cements, Asbestos Sponge Felt, Air Cell, Wool Felt, Anti-Sweat, Frostproof Heat-Seal Blankets, Hair Felt, Fibre-kote, Asbestos Paper Millboard, Wick and Rope.

Copies of this Ehret Bulletin (4 h) can be obtained by writing to: Ehret Magnesia Manufacturing Company, Valley Forge, Pa.

#### **PABCO PROMOTES JAMES E. BOOTH AND JAMES J. DOYLE**

Pabco Products Inc has promoted *James E. Booth* and *James J. Doyle*, both in the Building Materials Division.

Effective September 15th Mr. Booth was made Head of Consumer Sales, Building Materials Division, and is responsible for the development and coordination of consumer sales activities on Pabco Roofing and Asbestos-Cement Siding.

Prior to his new position Mr. Booth was Assistant District Manager of the Central District.

Mr. Doyle, who has been Denver area sales representative of Pabco's Building Materials Division, moves up to become Assistant District Manager, Central District. On or about October 1st he was moved to the Pabco Head Office in San Francisco where he will make his headquarters.

#### **BIRD & SON HONORS MICHAEL J. HAWKINS WITH BANQUET**

In recognition of his 45th year of service with Bird & Son, fellow executives honored *Michael J. Hawkins*, Traffic Manager and Assistant Purchasing Agent, with a banquet at the Parker House, Boston.

Mr. Hawkins started his career on August 6, 1906 in the Traffic Department at the main office in East Walpole, Mass. Thru the years he has come to know traffic men all over the country—railroad men, steamship men and men in the trucking business. In the purchasing line, he is well acquainted with people in the chemical field.

Mr. Hawkins holds membership in the Traffic Club of New England, of which he is also past vice president, the Boston Chamber of Commerce, the National Industrial Traffic League, the Providence Chamber of Commerce Traffic Club and the New England Industrial Traffic League.

# ACE ASBESTOS MANUFACTURING CO.



Importers, Exporters, Processors of  
Asbestos Fibres of All Varieties

of  
**RAW ASBESTOS**  
for  
Every Use

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**CHRYSOTILE**  
**AMOSITE**  
**AMPHIBOLE FIBRES**

originating in  
**U. S. A. (ARIZONA)**  
**CANADA**  
**RUSSIA**  
**CHINA**  
**INDIA**  
**RHODESIA**  
**SOUTH AFRICA**

•  
Large Capacity Fiberizing and  
Grading Plant

451 Communipaw Ave.

Jersey City, N. J.

## **NATIONAL BUREAU OF STANDARDS**

### **Annual Report**

The annual report of the National Bureau of Standards has just been published. It contains 113 pages and summarizes the scientific investigations conducted by the National Bureau of Standards during 1950. Can be obtained for 50 cents from the U. S. Government Printing Office, Washington 25, D.C.

The scope of research and development at the NBS, both theoretical and practical, is indicated by the names of the 13 scientific and technical divisions: electronics, atomic and radiation physics, chemistry, mechanics, organic and fibrous materials, metallurgy, applied mathematics, mineral products, building technology, heat and power, electricity and optics, metrology, and radio propagation.

Among accomplishments during the year were the NBS Eastern Automatic Computer, SEAC, the fastest general-purpose, automatically sequenced electronic computer now in operation; the NBS Electronic Currency Counter, designed for the Treasury Department to count old paper money at an hourly rate of 30,000 bills; and the highly precise omegatron, which discriminates between atomic particles of different masses.

(Note: Foreign remittances must be in U. S. exchange and should include an additional one-third the publication price to cover mailing costs.)

## **UNITED STATES RUBBER COMPANY**

### **Develops Spinning Tube**

A new plastic spinning tube which will wear three times longer than conventional types has been developed for the textile industry by the mechanical goods division, United States Rubber Company.

The tube is made of a tough new rubber-plastic compound and will not shatter, chip or warp. It will hold up to 16 per cent more yarn because yarn grips the spinning tube better thus making a tighter package. In addition, the tube needs no metal ferrules which makes possible a longer yarn package.

Approximately 20,000,000 spinning tubes are used by the textile industry, the majority of which are made of laminated paper. Replacement runs as high as 25 per cent annually. Because of its roughness, the new U. S. Rubber tube will reduce this replacement rate sharply.

The tube is marketed under the trade name Uscolite Tapered Warp Tube, is available in standard sizes and in three colors, blue, grey and brown.

## **ASBESTOS CORPORATION LIMITED**

### **Annual Report Honored**

Asbestos Corporation Limited, in a contest conducted by the Financial Post of Toronto for the best annual reports for the year 1950 in Canada, won the top award in the Mining and Oil Production Division.

# CANADIAN ASBESTOS FIBERS



THE NICOLET MINE  
Norbeston (via Warwick)  
Que.

*Address Inquiries to:*

**NICOLET ASBESTOS MINES LIMITED INC.\***

**70 Pine Street**

**New York 5, New York**

*\*One of the NICOLET Industries*

## **NATIONAL ROOFER ACQUIRED BY James McCawley**

The Board of Directors of the National Roofing Contractors' Association met for its semi-annual meeting on July 23rd in Chicago.

At this meeting the Board decided to dispose of its monthly magazine to its present editor, James McCawley. Mr. McCawley has resigned as Executive Secretary of the association, to devote his entire time as publisher of the magazine.

Mr. McCawley was replaced as Secretary by C. C. Figgis, who was formerly Treasurer of the national association.

His background eminently fits him for the task of translating industry economics into readable informative material.

He was born in Glasgow, Scotland, and like most Scots hailing from the Clyde, entered the Shipbuilding industry, and still has a souvenir of the industry in the shape of a diploma in Naval Architecture. He left Great Britain in 1922, earning in the meantime a reputation as a newspaper writer, with articles in a score of journals.

In 1939 he wrote the textbook "Roofing" which has been distributed by sale in 28 countries over four continents. The textbook was accepted by a dozen states as an official school text, and resulted in Mr. McCawley being asked to write a course in roofing and sheet metal work for the New York City Board of Education.

As publisher of the magazine it is Mr. McCawley's intention that in coverage and layout, the NATIONAL ROOFER will not only equal but exceed the high standard it achieved under association management.

## **J-M INCREASING CAPACITY AT JEFFREY MINE**

Plans for increasing the capacity of Canadian Johns-Manville underground asbestos mine at Asbestos, Quebec have been approved by the Board of Directors.

They include enlargement of the present main shaft capacity and the sinking of a second main shaft at the company's Jeffrey mine.

The project is part of the company's long range program to maintain the present production rate entirely from the underground mine when operation of the open pit is no longer feasible. The expansion of the underground mining facilities will assure an adequate supply of asbestos ore for many years to come.

The second main shaft will be similar in design to the present one, but will be sunk 1,400 feet to the second caving level. This second shaft is scheduled to be completed in five years. At that time additional equipment will have to be installed to complete the changeover from open pit to underground operations. At present more than half of the ore-bearing rock is coming from underground.



**NO BUILDING MATERIAL  
OR CONTRACTORS  
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IS COMPLETE WITHOUT  
LOW  
TEMPERATURE  
INSULATION**

**LET US SET YOU UP  
TO COMPETE WITH THE  
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PRICE AND QUALITY ---**

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**CORK BOARD**

**PHONE OR WIRE TODAY**

**RECTOR INSULATIONS**

**16 EAST 43rd STREET, 17, N.Y.C.**

**MURRAY HILL 2-7912**

## **ITALIAN ASBESTOS INDUSTRY**

**Report from the Association Minerale Italiana**

The production of asbestós in Italy both fibre and powder shows a marked increase from 1945 on.

During the year (1950) 21,400 tons were produced, of which 20,175 were obtained from Soc. Cave di S. Vittore, with mine and mill in the town of Balangero (Turin), and the balance was from smaller operators in Val Malenco and Val d'Aosta. The total production is more than triple that of 1938 and over 35% that of 1949. For the present year there is foreseen a final increase of about 30%. The extraction of asbestos has increased greatly in Italy during recent years.

The Italian production of asbestos, the greater part of which is chrysotile, comprises the domestic demand for medium fibre, the greater quantity being in short fibre and powder, but not a sufficient quantity of long fibre. This has promoted the development of the manufacture of asbestos and asbestos-cement, largely for export, for which a regular market has been assured for the raw material.

While in 1948 and 1949 exports have been above imports in 1950, to the extent of 2,886 tons exported to different countries of Europe and to the United States, imports principally from South Africa and Canada amounted to 6,265 tons, which will probably be about the safe figure for the present year. The possibilities for exports have been and still are good, but exports to foreign countries have been limited in order to meet the domestic demand. The sales prices for domestic use are lower than those of same grades of imported asbestos.

The importation of asbestos is exempt from Custom Duty at the border.

## **BIRD & SON, INC.**

### **New Appointment**

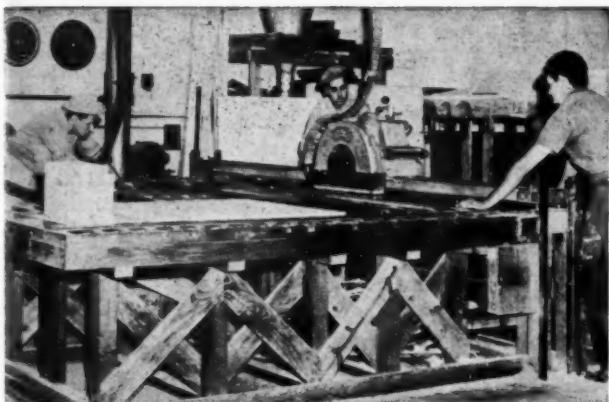
Miles H. Hubbard has been named to the post of Northern Division Sales Manager for the Building Materials Division at Bird & Son, Inc., manufacturers of asphalt roofing and shingles, floor coverings and paper products.

Mr. Hubbard, who succeeds the late Edmund F. Murphy, has been a Sales Representative for Bird & Son since 1928. Until his recent promotion he had for a number of years covered territory in Connecticut.

## **HENRY F. UNICK DIES AT THE AGE OF 41**

Henry F. ("Harry") Unick, Manager of the Bloomington, Illinois plant of Union Asbestos & Rubber Company of Chicago, died of a heart attack on September 4th at the age of 41.

Mr. Unick joined Unarco in 1934 and occupied various positions in the company's Cicero, Illinois plant, among which he was head of the technical laboratory and, later, plant manager. Only a few months ago he was appointed Manager of the recently acquired plant at Bloomington.



## **FAST, LOW-COST WAY** for Cutting **ASBESTOS PRODUCTS**

Pictured is one of the two Stone Saws cutting ebony asbestos dry in the plant of the Ladden Asbestos Co., Brooklyn, N. Y. A typical operation is fast, clean cutting of 1½" ebony asbestos at the rate of 20 feet a minute or better.

You can reduce YOUR asbestos products cutting costs with a Stone Saw. Write today for further information.

### **STONE MACHINERY CO.**

111 Fayette Street

Manlius, N. Y.

**CHARLES SOUKUP OF RICHARD KLINGER, LTD.  
Visiting U. S. A.**

Charles Soukup, Managing Director of Richard Klinger, Limited, (Sidcup, Kent, England) sailed on the *Liberte* for the United States on October 5th and expected to arrive in New York October 11, where his address will be Savoy Plaza Hotel New York City. Mr. Soukup expects to stay in the States about two months and will endeavor to re-introduce the Klinger products to American Industry. Richard Klinger was the first firm to manufacture compressed Asbestos Fibre Jointing, "Klingerit." They also make the Klinger Reflex Level Gauge, "Klingerflow" Seatless Piston Valves and the Klinger "Sleeve-Packed" Cock.

While Mr. Soukup will concentrate on the Eastern States during his visit, it is proposed to open up branch offices and later to start production in the U. S. A.

**J-M APPOINTS EDWARD A. PHOENIX  
Manager of the Market Surveys Department**

*Edward A. Phoenix* has been appointed to the newly created post of Manager of the Market Surveys Department for Johns-Manville Corporation.

The Primary object of the new department is to assist in plans for the market development of all Johns-Manville products and to study and analyze markets and methods of distribution, new businesses, new product lines, and other related problems.

Mr. Phoenix, who has been Assistant Manager of the Transite Pipe Department, joined Johns-Manville in 1915 and has held various positions of sales, sale engineering and sales promotion responsibility in the company.

**JOHNS-MANVILLE INDUCTS NINE  
INTO QUARTER CENTURY CLUB**

On September 20th nine new members were inducted into the Quarter Century Club of Johns-Manville at a dinner held at the Belmont Plaza Hotel attended by 350 of the J-M organization, including L. M. Cassidy, Chairman of the Board. Mr. Cassidy, in his address, told the assembly that managers of the company's 20 plants, in the United States and Canada, had an average of 21 years' experience with Johns-Manville and an average age of 49. The Company has been in existence 93 years. Managers of sales districts in the two countries have an average of 27 years with the company and an average age of 53.

**FABCO PRODUCTS INC.  
Annual Report**

Profit for the fiscal year ending June 30, 1951, was \$3,164,832, or \$2.07 per share, compared with \$1,423,721 or 90c a share for the previous fiscal year, as reported by W. H. Lowe, President.

Sales for fiscal year ending 1951 were \$37,836,382 establishing a record, compared with \$25,021,399 for the previous year.

## **INDUSTRIAL SERVICE COMPANY**

Builders of

### **ASBESTOS CEMENT MACHINERY**

Our experienced engineers and machinists offer the industry entire machines built to deliver maximum production.

Your Inquiries Are Invited

1-51 Paterson Avenue

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## **WET MACHINE FELTS**

FOR

ASBESTOS CEMENT PRODUCTS

ASBESTOS MILL BOARD

•

## **DRYCOR FELT COMPANY**

STAFFORDVILLE, CONN., U. S. A.

**PACIFIC ASBESTOS-CEMENT PRODUCTS CORP.**  
(Correction)

The Pacific Asbestos-Cement Products Corporation, with factory and offices at San Bernardino, California, announces completion of its production facilities scheduled for early October of this year.

Initial production will be confined to a full line of asbestos cement siding and roofing shingles of high quality and improved design.

The officers of the corporation include L. L. Collonge, President, E. M. Bollaert and M. Nicolato, Vice-Presidents, and J. R. Skidmore, Secretary-Treasurer, all of whom have had considerable experience in the asbestos-cement industry.

**ASBESTOS CORPORATION**  
**Splits Stock Three-for-One**

Directors of the Asbestos Corporation, Limited, Montreal, have voted to split the capital stock three-for-one, subject to approval by stockholders at a meeting to be called soon.

Granted such approval, application will be made for supplementary letters patent to split the presently authorized 1,200,000 no-par common shares into 3,600,000 shares. Issued and outstanding shares would be increased from the present 600,000 to 1,800,000.

The company has no funded debt and no securities ranking ahead of the common stock. It is understood that there are no plans to issue additional stock at this time either for working capital or other purposes.

**J-M NEW MILL AT ASBESTOS, QUEBEC**

Work on clearing the site for Canadian Johns-Manville's new asbestos mill at Asbestos, Quebec, was started on August 20.

The contract for site clearing and grading has been awarded to Union Quarries of Quebec City.

The new mill will be designed to incorporate the most modern working conditions and the latest designs of fireproof construction and milling equipment. It will eventually replace present milling facilities at the company's Jeffrey Mine.

It is estimated that it will take five years to complete the project. Preliminary engineering work on the proposed new mill has been completed and soil testing has also been done.

**PHILIP CAREY MANUFACTURING COMPANY**  
**New Location of Montreal Office**

In line with their policy of expansion and offering better service to customers the Philip Carey Manufacturing Company has moved its Montreal office to 277 Duke Street, Montreal 3. The expanded facilities will also permit better quarters in which the salesmen and office personnel may work.

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## **KINLOCH ASBESTOS**

(Proprietary) Limited

Union of  
South Africa's  
Leading  
**CHRYSOTILE**  
**MINES**

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**JOHANNESBURG**

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"Chrysotile"  
**JOHANNESBURG**

### **All types of ASBESTOS CEMENT PIPE MAKING MACHINES**

**MAZZA, DALMINE and other Systems**

**SHEET Making Machines (HATSCHEK System)**

**Complete Plants Planned, Delivered and Erected  
Steel Mandrels, Steel Moulds for Corrugated and  
Flat Sheets**

**Modern Asbestos Openers**

**STOCK'S ENGINEERING COMPANY S. a r.l.**

Inc. Durite Tecnica

**24, Via di Cavana, Trieste, Italy**

**Cables: STOCKSDURITE—TRIESTE**

#### **UNION ASBESTOS & RUBBER COMPANY**

**Paul W. Austin Elected Secretary & Assistant Treasurer**

*Paul W. Austin* was elected Secretary and Assistant Treasurer at the meeting of the Board of Directors.

Effective October 1st the Advertising and Public Relations Department will be dissolved. The functions of advertising will be handled by William Hart Adler. The functions of Public Relations will be handled by Mr. Austin, in addition to his other duties.

*A. Arthur Halle, Jr.* has resigned as Director, Secretary Assistant Treasurer and as Administrative Assistant to the President.

#### **AMERICAN BRAKE SHOE COMPANY**

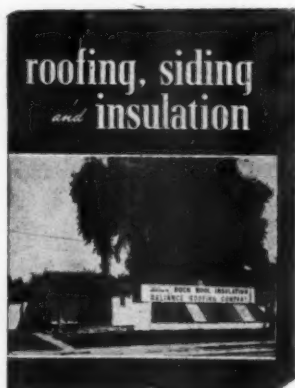
##### **New Appointment**

*Eads Johnson, Jr.*, has been appointed executive vice-president of the Southern Wheel Division, American Brake Shoe Company. He was formerly assistant vice-president.

Mr. Johnson started with Brake Shoe in 1934 and entered sales work for the company's Brake Shoe and Castings Division in 1935. In 1949 he transferred to the sales department of Southern Wheel Division and in 1950 became assistant vice-president of that division.

#### **ARTICLE IN CANADIAN MINING JOURNAL**

Magnitude of Canadian Asbestos Industry by P. M. Malouf, Geologist of Montreal, appears in the September number of the Canadian Mining Journal. "ASBESTOS" readers may be interested.



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## AFTERTHOUGHTS

¶ Saturday night, September 29th, like many other citizens of the U.S.A. we turned our clocks back one hour in order to be on Standard Time instead of Daylight Saving Time.

¶ We seem to remember that the Pentagon Building in Washington, D.C., has 4,000 clocks and after turning our six back and one chime clock eleven hours ahead, we are wondering whose job it was at the Pentagon Building to fix the 4,000 and how long it took them.

¶ We have mentioned from time to time the Quinterra Electrical Insulation—see our cover page in January 1949. Now we have on our desk, to be published soon, an article concerning the several kinds of Quinterra, what they are used for, how they differ physically, and why they have introduced a new era in electrical insulation.

¶ Nurses when fire training on ship and at Naval Stations dress in asbestos suits made in a slightly dressier fashion than those used by men.

— — — — —  
A man may fall several times, but he isn't a failure until he starts saying somebody pushed him.

— — — — —  
Maybe the reason that older people are quiet is because they've got a lot more to be quiet about.

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## BOOK LIST

- The Asbestos Factbook**, 16 pages: Information in compact form on origin, facts, locations, uses of analyses, qualities. 10c per copy.
- Asbestos Mining Methods**. By C. V. Smith. (Reprint) 16 pages. 25c per copy.
- Milling Asbestos**. By J. C. Kelleher. (Reprint) 16 pages. Companion article to Asbestos Mining Methods. Both should be in every Asbestos Library, 25c per copy.
- Recovery of Raw Asbestos**. By Roland Starkey. (Reprint) 6 pages. Supplement to Milling Asbestos, 25c per copy.
- Canadian Chrysotile Asbestos Classification**. Including latest Quebec Testing Method. January 1, 1949 Edition. 4 pages. 25c per copy.
- Processing Asbestos Fibres**. 8 pages. (Reprint) 25c per copy.
- Tests for Cotton Content**. 4 pages (Reprint) Describing several methods of testing asbestos textile for cotton content. 10c per copy.
- Chart—Dollars Cost of Uninsulated Pipe**. (Reprint) 20c each.
- Brake Linings of Various Types**. By R. T. Halstead. Reprint (12 pages) from August, September and October 1949 "ASBESTOS." Price 25c per copy.
- Asbestos—The Silk of the Mineral Kingdom**, by Oliver Bowles. 40 pages about asbestos, from mine to finished products, in plain language, illustrated. 25c a copy.
- Twelve Estimating Tables**, with Chart. Convenient in figuring flange fittings and other areas. \$1.00 per set.
- Manual of Unit Prices**. For figuring pipe covering and blocks. 75c per single copy postpaid. Discount in quantities of 6 or more, postage billed.
- Order any of the above from "ASBESTOS", 308 Western Saving Fund Bldg., Philadelphia 7, Pa. Postage stamps acceptable for amounts less than \$1.00.

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## CURRENT RANGE OF PRICE

As of October 10, 1951

Canada—		Per Ton (2000 lbs.) f.o.b. Mine	
Group No. 1 (Crude No. 1)	.....	\$1,100.00 to	\$1,500.00
Group No. 2 (Crude No. 2; Crude Run-of-Mine and Sundry)	.....	485.00 to	900.00
Group No. 3 (Spinning Fibre)	.....	275.00 to	450.00
Group No. 4 (Shingle Fibre)	.....	135.00 to	151.00
Group No. 5 (Paper Fibre)	.....	95.00 to	119.00
Group No. 6 (Waste, Stucco or Plaster)	.....		70.00
Group No. 7 (Refuse or Shorts)	.....	32.00 to	63.00

Vermont—		Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville Vt.	
Group No. 3 (Spinning & Filtering)	.....	\$279.50 to	\$302.00
Group No. 4 (Shingle Fibre)	.....	135.00 to	162.00
Group No. 5 (Paper Fibre)	.....	81.50 to	115.00
Group No. 6 (Waste, Stucco or Plaster)	.....		71.00
Group No. 7 (Refuse or Shorts)	.....	34.00 to	63.00

## ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the commercial & financial Chronicle. No guarantee as to their correctness)

		September, 1951			
		Par	Low	High	Last
Amer. Br. Shoe (Com)	.....	np	37½	42%	42%
Amer. Br. Shoe (Pfd)	.....	100	106	112	111½
Armst. Ck. (Com)	.....	np	56½	58½	57%
Armst. Ck. (Pfd)	.....	np	94	97½	94½
Armst. Ck. (Conv. Pfd)	.....	np	115½	117%	116½
Asb. Corp. (Com)	.....	np	66	75	74
Ash. Mfg. Co. (Com)	.....	1	1%	1½	1½
Carey (Com)	.....	10	18	19	18½
Celotex (Com)	.....	np	16	20%	19%
Celotex (Pfd)	.....	20	16½	17%	17½
Certainteed (Com)	.....	1	15½	17½	16½
Flintkote (Com)	.....	np	30½	32%	31½
Flintcote (Pfd)	.....	np	97	99½	98
Johns-Manville (Com)	.....	np	58½	64½	61½
Pabco Products (Com)	.....	np	18½	19	18½
Pabco Products (Pfd)	.....	100	95	98½	96
Ray-Man (Com)	.....	np	39½	53	53
Ruberoid (Com)	.....	np	56	60	60
Thermoid (Com)	.....	1	10%	11%	11%
Thermoid (Pfd)	.....	50	43½	46½	45
Union Asb. & Rub. (Com)	.....	5	13½	15%	15%
United Asb. (Com)	.....	1	\$2.62	\$4.85	\$4.00
U. S. Gypsum (Com)	.....	20	113%	117½	117
U. S. Gypsum (Pfd)	.....	100	173½	180	178
United Asb. (Com)	.....	1	\$2.62	\$4.85	\$4.00
U. S. Rubber (Com)	.....	10	69%	70%	70
U. S. Rubber (Pfd)	.....	100	135	137½	136

## NEW PRODUCTS FROM ASBESTOS

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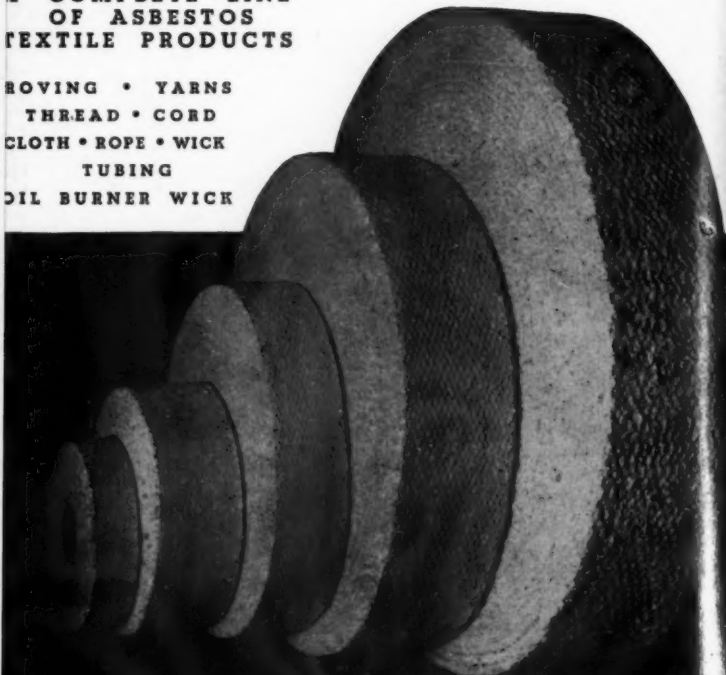
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